

Patent Assignment Abstract of Title

Total Assignments: 1**Application #:** 09828382**Filing Dt:** 04/06/2001**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** 20020145842**Pub Dt:** 10/10/2002**Inventors:** Ajith K. Kumar, Jeremy McGarry**Title:** Method for detecting electrical faulty conditions in power devices of a propulsion system**Assignment: 1****Reel/Frame:** 011735/0199 **Received:** 05/02/2001 **Recorded:** 04/06/2001 **Mailed:** 07/12/2001 **Pages:** 4**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** KUMAR, AJITH K.**Exec Dt:** 03/22/2001

MCGARRY, JEREMY

Exec Dt: 03/22/2001**Assignee:** GENERAL ELECTRIC COMPANY

A NEW YORK CORPORATION

ONE RIVER ROAD

SCHENECTADY, NEW YORK 12301

Correspondent: HOLLAND & KNIGHT, LLP

ENRIQUE J. MORA, ESQ.

P.O. BOX 1526

ORLANDO, FL 32802-1526

Search Results as of: 5/6/2003 11:57:20 A.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002

DERWENT- 2003-198036

ACC-NO:

DERWENT- 200319

WEEK:

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Electrical short detection method in power devices of railway train propulsion system, involves measuring voltage across power line filter for preset time, when initial voltage of filter is less than predefined threshold

INVENTOR: KUMAR, A K; MCGARRY, J

PATENT-ASSIGNEE: KUMAR A K[KUMAI] , MCGARRY J [MCGAI]

PRIORITY-DATA: 2001US-0828382 (April 6, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US	October	N/A	009	H02H
20020145842 A1	10, 2002			003/08

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE



US 20020145842A1

(17) United States

(12) Patent Application Publication

(10) Pub. No.: US 2002/0145842 A1

Kumar et al.

(48) Pub. Date: Oct. 10, 2002

(34) METHOD FOR DETECTING ELECTRICAL FAULTY CONDITIONS IN POWER DEVICES OF A PROPULSION SYSTEM

(35) U.S. Cl. 361/90.9; 361/93.6; 361/92

(75) Inventors: Ajith K. Kumar, Erie, PA (US); Jeremy McGarry, Erie, PA (US)

(57) ABSTRACT

Correspondence Address:
HOLLAND & KNIGHT LLP
PO BOX 1836
ORLANDO, FL 32802-1836 (US)

(21) Appl. No.: 08/928,382

(22) Filed: Apr. 6, 2001

Publication Classification

(31) Int. Cl. H02H 3/08; H02H 3/04

A method for detecting electrical faulty conditions in a plurality of power devices of a propulsion system is provided. The plurality of power devices is commutated in parallel circuit through a direct current (DC) link to an external DC power source. The method provides a first sequence of actions for determining an electrical short condition in at least one of the power devices upon the power source being commutated. The method further provides a second sequence of actions for determining an electrical open condition in a respective one of the plurality of power devices during the occurrence of high current over-

